

Sandoval Oil Spill 1L

EPA Region 5 Records Ctr.



298216

POLREP

DATE: NOVEMBER 18, 1991

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SUBJECT: Sandoval Zinc Oil Spill

POLREP #: Initial Polrep

PROJECT #: 02-2003

RESPONSE AUTH.: OPA

START DATE: November 11, 1991

INITIAL SITUATION:

The Sandoval Zinc site is an abandoned zinc smelting facility located in Sandoval, Illinois. The site is currently being scored by the Illinois Environmental Protection Agency (IEPA) for the National Priorities List (NPL). Previous sampling of on-site soils have indicated the presence of lead and zinc at concentrations ranging from 0.4% to 40%. Local police contacted the IEPA on Sunday, November 11, 1991, to report a diesel spill at the site. A pipe at the base of an 11,000 gallon aboveground storage tank had frozen and ruptured, releasing an undetermined quantity of #5 diesel fuel oil to the site and an adjacent drainage ditch. IEPA representatives from the Collinsville Division responded, constructing a berm that prevented the oil from reaching a creek approximately 1/2 mile south of the site. The IEPA requested U.S. EPA assistance and OPA funding for the cleanup.

ACTIONS TAKEN (November 11-15, 1991):

- OSC Nied, TAT, IEPA, and Riedel Environmental Services mobed to the site on Tuesday, November 12, 1991. Initial air monitoring by TAT verified that Level D would be appropriate for clean-up activities.
- TAT collected an oil sample to determine if the oil had picked up any of the metals present in on-site soils. This sample was analyzed by ARDL Laboratories in Mt. Vernon, Illinois, and verbal results indicated that the sample met all TCLP standards for metals including lead and zinc.

- Riedel subcontracted four vacuum trucks to collect pooled oil from areas both on- and off-site. Water was decanted off the trucks into the ditch at the conclusion of site activities, and all the remaining oil off-loaded into two of the 5,000 gallon vacuum tankers. These tankers are being stored in a heated warehouse pending final disposal arrangements. A total of approximately 9,000 gallons of liquid was collected during the week.
- 100 yds³ of crushed limestone dust was spread over the oil-saturated soils, mixed with the oil and excavated. All excavated soil was stored in a building on-site with prior permission from the IEPA. A total of 220 yds³ of this soil mixture was collected -- 180 yds³ from off-site, and 40 yds³ on-site. The soil piles were surrounded by a visqueen base and cover.
- Fourteen plastic drum liners filled with oil-saturated boom and PPE were also stored in the on-site building with the prior permission of the IEPA.

NEXT STEPS:

- Riedel is currently finalizing disposal arrangements. Analysis of the oil stored in the tankers has indicated the presence of an oil/water emulsion, estimated to contain up to 30% water, and making disposal arrangements much more expensive and difficult. Riedel will continue to research the most effective means of disposal.

COSTS:

The estimated costs of this project through Friday, November 15, 1991 are indicated below:

	<u>Costs Expended</u>	<u>Ceiling</u>	<u>Remaining</u>
Riedel & Subcontractors	\$45,000*	\$46,000	\$ 1,000
EPA/TAT	\$ 6,500*	\$ 7,000	\$ 500

*These costs are rough estimates and will change pending final billing.